#1

OIPE

RAW SEQUENCE LISTING   DATE: 07/20/2001
PATENT APPLICATION: **US/09/758,525A**   TIME: 13:30:52

Input Set : **A:\10114-6.app**
Output Set: **N:\CRF3\07202001\I758525A.raw**

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 3 <110> APPLICANT: Wang, Peng G.
 4         Chen, Xi
 5         Zhang, Wei
 6         Liu, Ziye
 8 <120> TITLE OF INVENTION: GLYCOCONJUGATE SYNTHESIS USING A PATHWAY-ENGINEERED
 9         ORGANISM
11 <130> FILE REFERENCE: 10114-6
13 <140> CURRENT APPLICATION NUMBER: 09/758,525A
14 <141> CURRENT FILING DATE: 2001-01-10
16 <160> NUMBER OF SEQ ID NOS: 23
18 <170> SOFTWARE: PatentIn Ver. 2.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 7
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Description of Artificial Sequence:
27         Nucleotide-binding-protein motif. Xaa represents
28         any amino acid.
30 <400> SEQUENCE: 1
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W--> 31 **Gly Xaa Xaa Gly Xaa Xaa Gly**

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38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Description of Artificial Sequence: galK primer
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50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: galK primer
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61 <212> TYPE: DNA
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of Artificial Sequence: galT primer
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71 <210> SEQ ID NO: 5
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 76 <220> FEATURE:
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 84 <211> LENGTH: 29
 85 <212> TYPE: DNA
 86 <213> ORGANISM: Artificial Sequence
 88 <220> FEATURE:
 89 <223> OTHER INFORMATION: Description of Artificial Sequence: galU primer
 91 <400> SEQUENCE: 6
 92 ggatcctcga gatggctgcc attaatacg                          29
 95 <210> SEQ ID NO: 7
 96 <211> LENGTH: 36
 97 <212> TYPE: DNA
 98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence:galU primer
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107 <210> SEQ ID NO: 8
108 <211> LENGTH: 35
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: PykF primer
115 <400> SEQUENCE: 8
116 ggatccatat gaaaaagacc aaaattgttt gcacc                   35
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 36
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Description of Artificial Sequence: PykF primer
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128 cgcggatcca ctagtttaca ggacgtgaac agatgc                  36
131 <210> SEQ ID NO: 10
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133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: galU N primer
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143 <210> SEQ ID NO: 11
144 <211> LENGTH: 43
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145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: galU C primer
151 <400> SEQUENCE: 11
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156 <211> LENGTH: 49
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: alpha1,3
162       GalT-N primer
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165 ggatccatat gactagtgat atcaataatt ttgtttaact ttaagaagg             49
168 <210> SEQ ID NO: 13
169 <211> LENGTH: 41
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: alpha1,3
175       GalT-C primer
177 <400> SEQUENCE: 13
178 ccatcgatgt cgacccgcgg tcagacatta tttctaacca c                     41
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182 <211> LENGTH: 41
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184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: GalKT-N
188       primer
190 <400> SEQUENCE: 14
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208 <212> TYPE: DNA
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211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: IgtC primer
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215 cggaattcat atggacatcg tatttgcg                                    28
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233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: lgtC-C primer
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242 <210> SEQ ID NO: 19
243 <211> LENGTH: 30
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: susA primer
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255 <211> LENGTH: 27
256 <212> TYPE: DNA
257 <213> ORGANISM: Artificial Sequence
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260 <223> OTHER INFORMATION: Description of Artificial Sequence: susA primer
262 <400> SEQUENCE: 20
263 cgcggatcct taccgatatt tatgctg                                  27
266 <210> SEQ ID NO: 21
267 <211> LENGTH: 33
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: GalE-C primer
274 <400> SEQUENCE: 21
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278 <210> SEQ ID NO: 22
279 <211> LENGTH: 33
280 <212> TYPE: DNA
281 <213> ORGANISM: Artificial Sequence
283 <220> FEATURE:
284 <223> OTHER INFORMATION: Description of Artificial Sequence: galK primer
286 <400> SEQUENCE: 22
287 cgcggatccg catgcttaat cgggatatcc ctg                           33
290 <210> SEQ ID NO: 23
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Input Set : **A:\10114-6.app**
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291 <211> LENGTH: 27
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Description of Artificial Sequence: SusA-C primer
298 <400> SEQUENCE: 23
299 cgcggatcct taccgatatt tatgctg   27

VERIFICATION SUMMARY   DATE: 07/20/2001
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L:31 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:31 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1